

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P#

Luminaire Tested: **LD2B15D010 EU2B15WFL559050 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14810)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15WFL559050 2LBDC*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1142.2 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

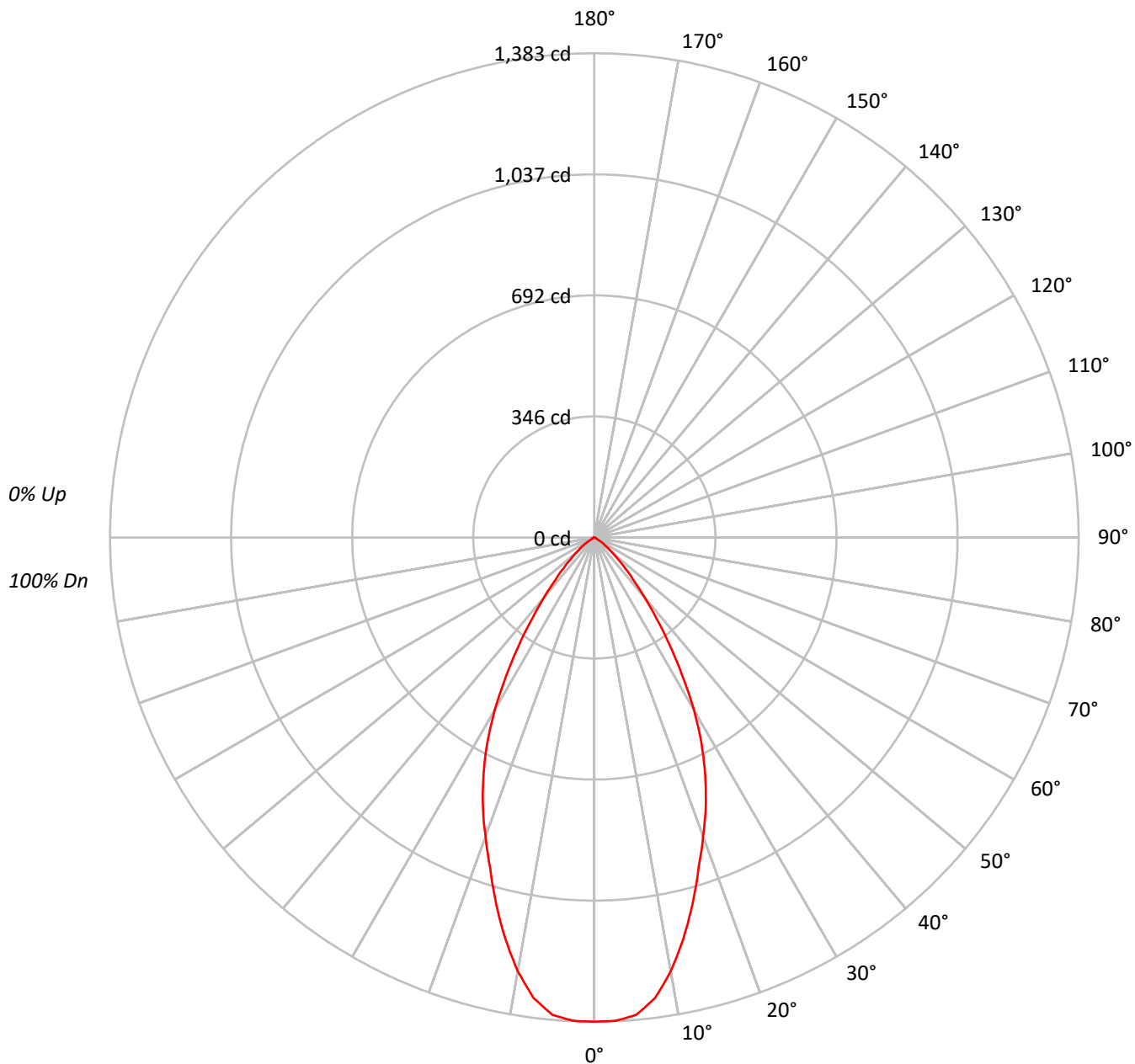
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10			50	30	10			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	113	110	108	106		111	108	106	104		104	102	101			101	99	98			93
2	108	102	98	95		105	101	97	94		98	94	92			95	92	90			86
3	102	95	90	86		100	94	89	85		91	87	84			89	85	83			80
4	97	89	83	79		95	88	82	78		85	81	77			83	80	76			74
5	91	83	77	72		90	82	76	72		80	75	71			78	74	71			69
6	87	78	71	67		85	77	71	67		75	70	66			74	69	66			64
7	82	73	67	62		81	72	66	62		71	66	62			70	65	62			60
8	78	69	62	58		77	68	62	58		67	62	58			66	61	58			56
9	74	65	59	55		73	64	58	54		63	58	54			62	57	54			53
10	71	61	55	51		70	61	55	51		60	55	51			59	54	51			49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	535777
5°	532380
10°	494916
15°	434494
20°	374529
25°	320285
30°	254183
35°	177181
40°	112101
45°	68419
50°	40435
55°	22150
60°	4803
65°	4308
70°	3511
75°	4639
80°	3569
85°	7111



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	11.1
10°-20°	301.8	26.4
20°-30°	340.5	29.8
30°-40°	235.5	20.6
40°-50°	100.4	8.8
50°-60°	29.0	2.5
60°-70°	4.2	0.4
70°-80°	2.7	0.2
80°-90°	1.1	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	769.3	67.3
0°-40°	1004.8	88.0
0°-60°	1134.2	99.3
0°-90°	1142.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1142.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1383	
5°	1369	127
15°	1084	302
25°	749	340
35°	375	236
45°	125	100
55°	33	29
65°	5	4
75°	3	3
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1383.2
2.5°	1381.7
5°	1369.2
7.5°	1327.0
10°	1258.3
12.5°	1174.0
15°	1083.5
17.5°	989.8
20°	908.6
22.5°	832.1
25°	749.4
27.5°	662.0
30°	568.3
32.5°	466.8
35°	374.7
37.5°	290.4
40°	221.7
42.5°	167.1
45°	124.9
47.5°	90.6
50°	67.1
52.5°	48.4
55°	32.8
57.5°	14.1
60°	6.2
62.5°	4.7
65°	4.7
67.5°	3.1
70°	3.1
72.5°	3.1
75°	3.1
77.5°	1.6
80°	1.6
82.5°	1.6
85°	1.6
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)